

B6.Cg-Tg(UBC-GFP,-TVA)1Clc/J

Stock No: 015805

 Congenic, Transgenic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

derived from quail. These *cTVA* mice may be useful for gene delivery via infection with *ASLV*-derived gene vectors. Although GFP expression in *UBC*-expressing cells was anticipated, none is detected.

Donating Investigator

Connie Cepko, Harvard Medical School, HHMI

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Tg(UBC-GFP,-TVA)1Clc

Alele Type

Transgenic (Conditional ready (e.g. floxed), Reporter, Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Cell Biology Research

Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W P R I C E L I S T

Details

Detailed Description

UBC is a polyubiquitin precursor responsible for the regulation of cell signaling pathways upon conjugation with various proteins.

The *cTVA* transgene in this strain carries the human ubiquitin C (*UBC*) promoter/enhancer elements driving expression of a *loxP*-flanked destabilized green fluorescent protein (GFP) and polyadenylation sequence, followed by an avian specific retroviral receptor (TVA) gene derived from quail. Hemizygous mice are viable and fertile.

Although GFP expression in *UBC*-expressing cells was anticipated, none is detected. This may be associated with the use of destabilized GFP and/or low expression levels.

Cre-mediated excision of the floxed-GFP-STOP cassette results in TVA overexpression in *UBC*-expressing cells. Upon expression of TVA, these cells are capable of binding viruses with the envelope protein of avian sarcoma/leukosis virus subtype A (ASLV-A). These *cTVA* mice may be useful for infection by retroviruses, rabies virus, and other viruses with ASLV-A glycoproteins.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(UBC-GFP,-TVA)1Clc

⊖ Disease/Phenotype

+ Disease Terms

+ Research Areas By Phenotype

+ Mammalian Phenotype Terms by Genotype

+ References

⊖ Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

Standard PCR:[Tg\(UBC\)](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype (non-carrier) mice from the colony or to C57BL/6J inbred mice (Stock No. [000664](#)).

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.Cg-Tg(UBC-GFP,-TVA)1Clc/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #015805 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

⊖ Pricing & Availability



Cryo

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

| SERVICE/PRODUCT | DESCRIPTION | PRICE |
|-----------------|--|------------|
| Cryo Recovery | Hemizygous or Non carrier for Tg(UBC-GFP,-TVA)1Clc | \$2,854.50 |

RELATED PRODUCTS AND SERVICES

| | | |
|---------------------|------------------------------|-----------|
| Frozen Mouse Embryo | B6.Cg-Tg(UBC-GFP -TVA)1Clc/J | \$2595.00 |
|---------------------|------------------------------|-----------|

PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

Terms Of Use

TERMS OF USE

[General Terms and Conditions](#)

Q U E S T I O N S A B O U T T E R M S O F U S E

ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS

MOUSE PHENOME DATABASE

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region



^ E E E D B

Did you find what you were looking for?

Yes No